Computer Hardware Engineers (17-2061)

Occupation description: Research, design, develop, or test computer or computer-related equipment for commercial, industrial, military, or scientific use. May supervise the manufacturing and installation of computer or computer-related equipment and components. Excludes "Software Developers, Applications" (15-1132) and "Software Developers, Systems Software (15-1133).

Employment and Job Openings

	Average employment			Average annual openings		
	2010 estimate	**2020 projection**	**Percent change**	**Growth**	**Replacement**	**Total**
Alaska	77	85	10.4	1	2	3
United States	70,000	76,300	9.0	640	1,650	2,290

Job outlook

> **Alaska:** Alaska's employment growth is moderate with low employment opportunities. Read more.

2013 Wages ❓

	Mean Wage and 95% Confidence Interval			Wage by Percentile		
	Low	**Mean**	**High**	**10th**	**Median**	**90th**
United States	n/a	51.41	n/a	31.07	50.12	74.43
Alaska	39.97	43.28	46.59	30.75	42.42	58.43

Labor Force Indicators

2012 Worker Characteristics

Total workers	Nonresident workers	Percent nonresident	Percent age 45 plus	Percent age 50 plus
64	14	21.9	35.7	23.2

2012 Potential Supply

Qualified but working in another occupation	23
Currently employed in a lower paid occupation	19
UI claimants previously working in occupation	5

2012 ALEXsys Employment Data

Number of registrants	84
Number of job position postings	23
Ratio of registrants to job position postings	3.7

Typical Entry-level Education, Experience, and/or On-the-job Training

Education: Bachelor's degree   **Work experience:** None   **On-the-job training:** None

Training Resources

	Degree
University of Alaska Fairbanks	
Computer Engineering	BS
Software Engineering	MSE